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7	26105	personal\$ with service	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:52
8	354	(personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:54
9	152	((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:54
10	146	((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:54
11	0	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:55
12	109	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:55
13	52	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:43
16	0	((((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and recomemend\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:42
17	107	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and preference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:43
18	52	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and preference	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:18
21	16	((((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and preference) and campaign	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:52
24	40	((((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and preference) and campaign	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:52
25	0	US-20020035568-A1.DID. and (service with content)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:53

27	25	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and preference) and campaign) and (retriev\$ with content)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:53
28	25	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and preference) and campaign) and (service with content)) and ((((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and preference) and campaign) and (retriev\$ with content))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:53
26	39	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and preference) and campaign) and (service with content)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 12:54
29	3	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and (707/102).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:18
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31	6	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and (707/10).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:18
32	0	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and (379.88.13).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:19
33	0	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and preference) and (379.88.13).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:19
34	2	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and preference) and (379/88.13).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:19
35	0	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and preference) and (705/50).ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:19

36	1	(((((personal\$ with service) and server and agent and (client or user) and (user with profile) and @ad<20001226 ) and (user with profile) and commerce) and content) and analysis) and e-commerce) and preference) and (707/104.1).cccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 14:20
-	2	6029195.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:03
-	2	6055567.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:03
-	1	752896.apn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:51
-	3272	e-commerce with system	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:51
-	216	(e-commerce with system) and server and agent and (client or user) and (user with profile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:52
-	107	((e-commerce with system) and server and agent and (client or user) and (user with profile)) and personaliz\$	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:53
-	31	((e-commerce with system) and server and agent and (client or user) and (user with profile)) and personaliz\$) and @ad<20001226	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 17:53
-	31	((e-commerce with system) and server and agent and (client or user) and (user with profile)) and personaliz\$) and @ad<20001226) and (customer wit service)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 18:02
-	2	((e-commerce with system) and server and agent and (client or user) and (user with profile)) and personaliz\$) and @ad<20001226) and (customer wit service) ) and (live with agent)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/22 18:03
-	25	((e-commerce with system) and server and agent and (client or user) and (user with profile)) and personaliz\$) and @ad<20001226) and (customer wit service) ) and (dynamic\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/09/23 11:53

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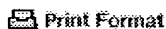
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1 [Centaurus: an infrastructure for service management in ubiquitous computing environments](#)

Lalana Kagal, Vladimir Korolev, Sasikanth Avancha, Anupam Joshi, Tim Finin, Yelena Yesha  
November 2002 **Wireless Networks**, Volume 8 Issue 6

Full text available: pdf(553.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In the near future, we will see dramatic changes in computing and networking hardware. A large number of devices (e.g., phones, PDAs, even small household appliances) will become computationally enabled. Micro/nano sensors will be widely embedded in most engineered artifacts, from the clothes we wear to the roads we drive on. All of these devices will be (wirelessly) networked using Bluetooth, IEEE 802.15 or IEEE 802.11 for short range connectivity creating pervasive environments. In this age wh ...

**Keywords:** mobile computing, pervasive computing, service management, ubiquitous computing

2 [Level II technical support in a distributed computing environment](#)

Tim Leehane

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available: pdf(5.73 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

3 [Experiences with network-based user agents for mobile applications](#)

Thomas F. La Porta, Thomas Woo, Krishan K. Sabnani, Ramachandran Ramjee

August 1998 **Mobile Networks and Applications**, Volume 3 Issue 2

Full text available: pdf(631.57 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Wireless networks are characterized by simple end devices and limited bandwidth. One solution to address these and other limitations of the wireless mobile environment that has been widely pursued is the placement of proxies, or agents, inside the network to assist with application processing that would normally take place on end devices. These agents can

additionally manipulate data to reduce bandwidth requirements and assist in providing services. The design and implementation of a user a ...

4 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

5 iMobile EE: an enterprise mobile service platform

Yih-Farn Chen, Huale Huang, Rittwik Jana, Trevor Jim, Matti Hiltunen, Sam John, Serban Jora, Radhakrishnan Muthumanickam, Bin Wei

July 2003 **Wireless Networks**, Volume 9 Issue 4

Full text available:  [pdf\(2.90 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


iMobile<sup>1</sup> is an enterprise mobile service platform that allows resource-limited mobile devices to communicate with each other and to securely access corporate contents and services. The original iMobile architecture consists of devlets that provide protocol interfaces to different mobile devices and infolets that access and transcode information based on device profiles. iMobile Enterprise Edition (iMobile EE) is a redesign of the original iMobile architecture to address the security, ...

**Keywords:** content transcoding, middleware, mobile devices, mobile enterprise, mobile multimedia services

6 Information delivery systems: an exploration of Web pull and push technologies

Julie E. Kendall, Kenneth E. Kendall

April 1999 **Communications of the AIS**

Full text available:  [pdf\(658.33 KB\)](#) Additional Information: [full citation](#), [references](#), [citing](#), [index terms](#)

7 PocketLens: Toward a personal recommender system

Bradley N. Miller, Joseph A. Konstan, John Riedl

July 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 3

Full text available:  [pdf\(1.10 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Recommender systems using collaborative filtering are a popular technique for reducing information overload and finding products to purchase. One limitation of current recommenders is that they are not portable. They can only run on large computers connected to the Internet. A second limitation is that they require the user to trust the owner of the recommender with personal preference data. Personal recommenders hold the promise of delivering high quality recommendations on palmtop computers, e ...

**Keywords:** Collaborative Filtering, Peer-to-Peer Networking, Privacy, Recommender Systems